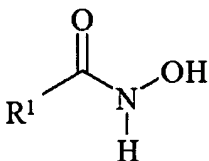


## CLAIMS LISTING

1.(currently amended) An ink-jet recording material comprising a support and at least one ink-receiving layer containing at least one non-polymeric compound according to formula (I):



formula (I)

wherein,

R<sup>1</sup> is selected from the group consisting of -CR<sup>2</sup>R<sup>3</sup>R<sup>4</sup>, -OCR<sup>5</sup>R<sup>6</sup>R<sup>7</sup> and -NR<sup>8</sup>R<sup>9</sup>,

R<sup>2</sup>, R<sup>3</sup>, R<sup>5</sup>, and R<sup>6</sup> ~~and~~ R<sup>8</sup> are independently selected from the group consisting of

hydrogen, unsubstituted saturated or unsaturated aliphatic groups, saturated or

unsaturated aliphatic groups substituted with heteroatoms, a substituted or

unsubstituted aromatic or heteroaromatic ring, unsubstituted saturated or unsaturated

alicyclic groups and saturated or unsaturated alicyclic groups substituted with

heteroatoms;

R<sup>8</sup> is selected from the group consisting of hydrogen, unsubstituted saturated or

unsaturated aliphatic groups, saturated or unsaturated aliphatic groups substituted with

heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring and

unsubstituted saturated or unsaturated alicyclic groups;

R<sup>4</sup>, and R<sup>7</sup> ~~and~~ R<sup>9</sup> are independently selected from the group consisting of

unsubstituted saturated or unsaturated aliphatic groups, saturated or unsaturated

aliphatic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or

heteroaromatic ring, unsubstituted saturated or unsaturated alicyclic groups and

saturated or unsaturated alicyclic groups substituted with heteroatoms;

R<sup>9</sup> is selected from the group consisting of unsubstituted saturated or unsaturated

aliphatic groups, saturated or unsaturated aliphatic groups substituted with

heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring and

unsubstituted saturated or unsaturated alicyclic groups;

R<sup>3</sup> and R<sup>4</sup> may represent the necessary atoms to form a 5- to 8-membered ring,

R<sup>5</sup> and R<sup>7</sup> may represent the necessary atoms to form a 5- to 8-membered ring, and

R<sup>8</sup> and R<sup>9</sup> may represent the necessary atoms to form a 5- to 8-membered ring.

2.(original) An ink-jet recording material according to claim 1 wherein said recording material further comprises a filler in said at least one ink-receiving layer.

3.(original) An ink-jet recording material according to claim 2 wherein said filler is an inorganic filler.

4.(original) An ink-jet recording material according to claim 3 wherein said inorganic filler is selected from the group consisting of silica, alumina, alumina hydrate, and aluminum trihydroxide.

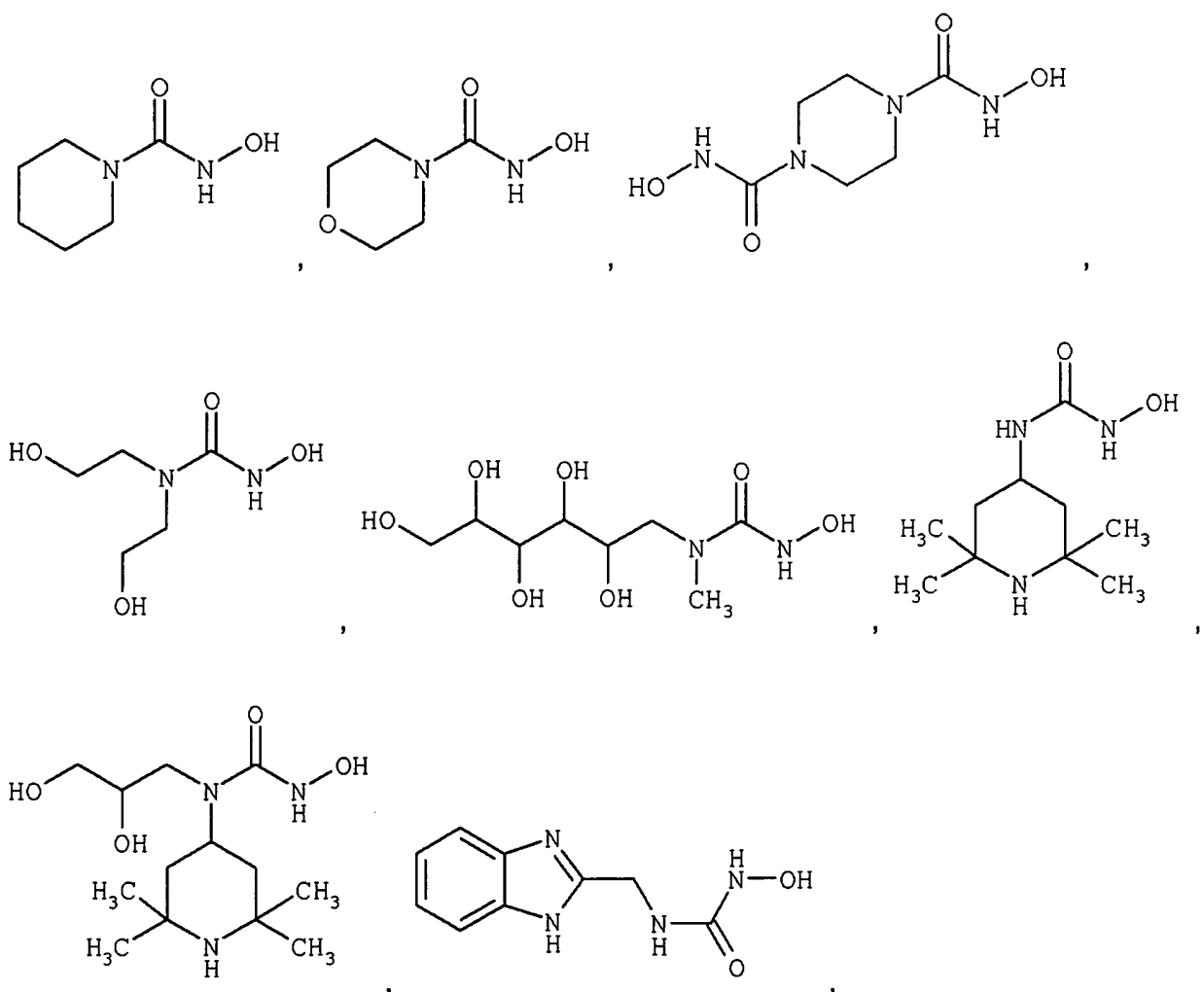
5.(currently amended) An ink-jet recording material according to claim 1 wherein ~~the binder of the~~ at least one ink-receiving layer ~~is~~ comprises a hydrophilic binder.

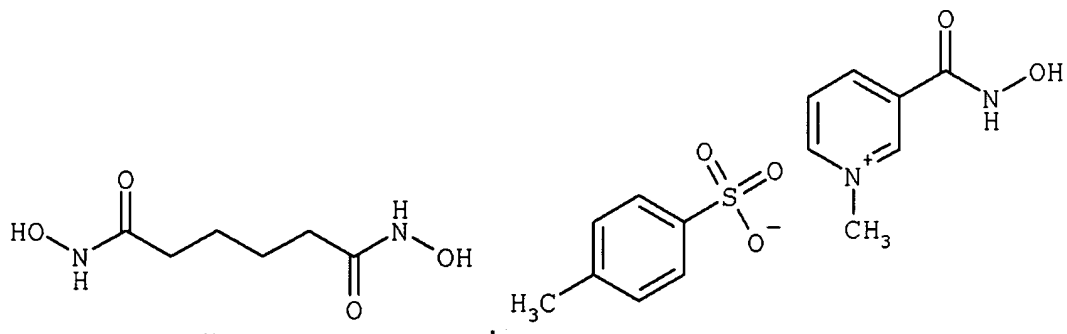
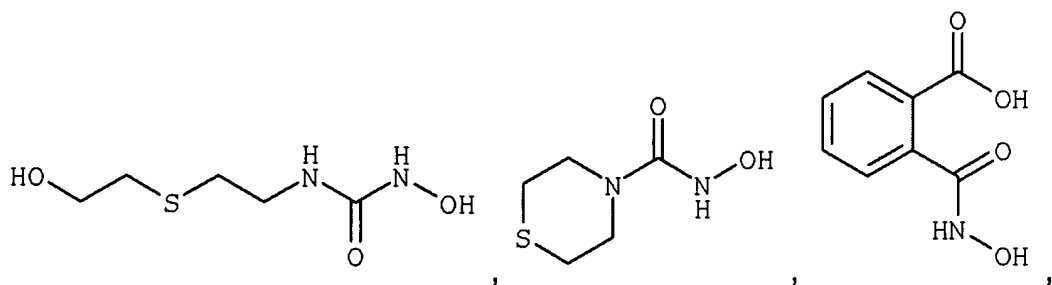
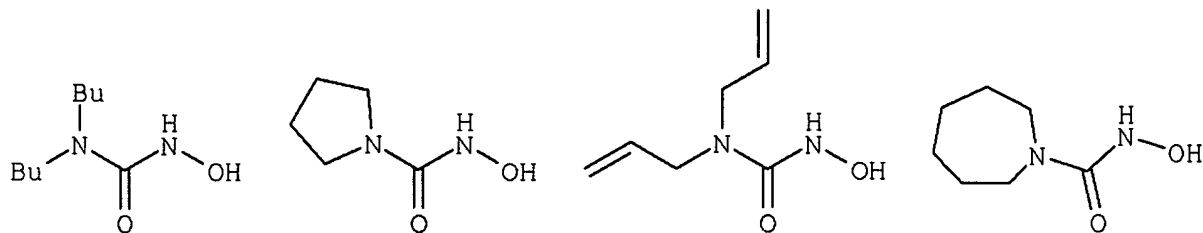
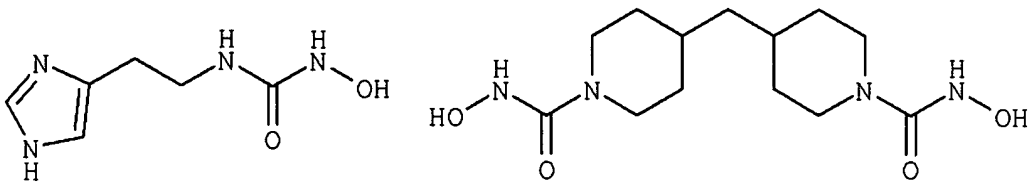
6.(original) An ink-jet recording material according to claim 5 wherein said hydrophilic

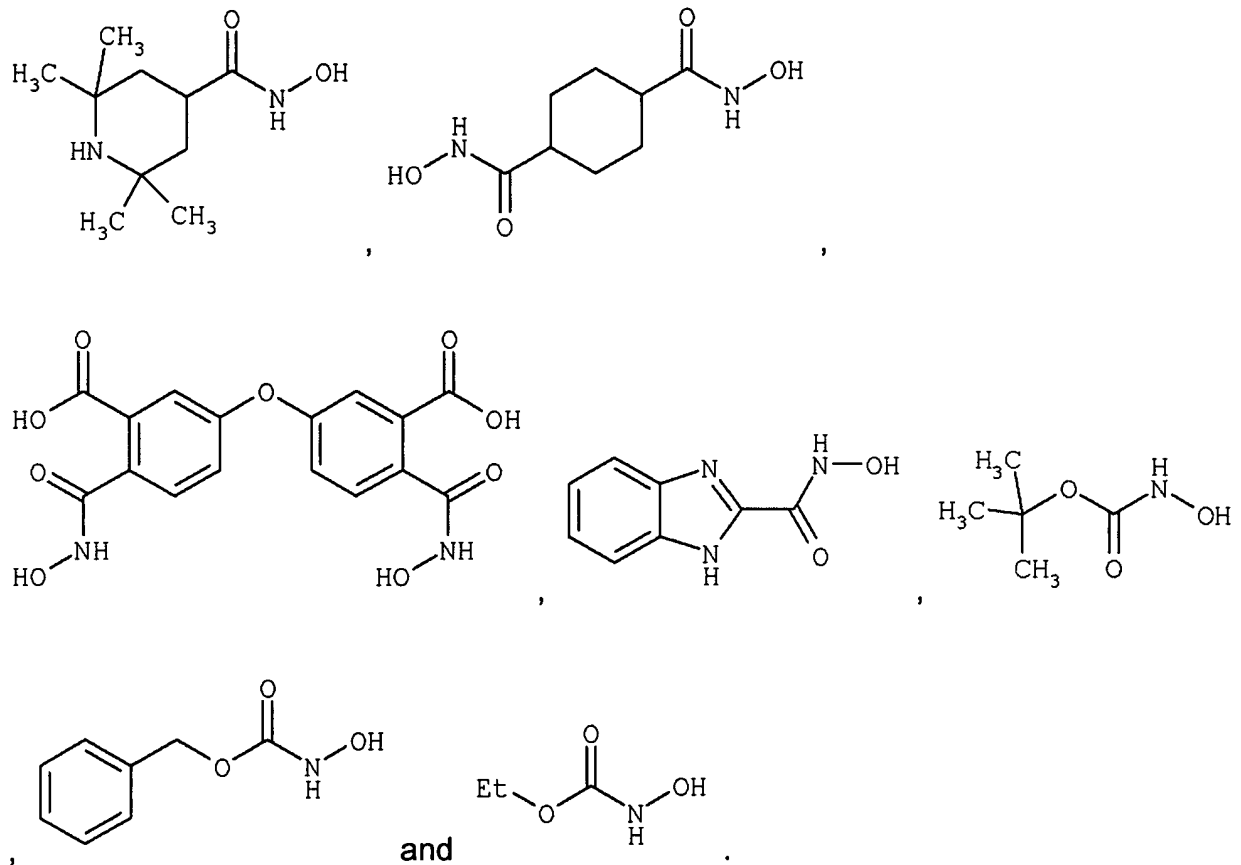
binder is a polyvinyl alcohol.

7.(original) Ink-jet recording material according to claim 1, wherein said non-polymeric

compound according to formula (I) is selected from the group consisting of







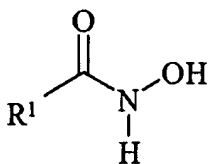
8.(cancelled)

9.(cancelled)

10.(currently amended) An ink-jet image comprising at least one ink-jet ink on an ink-

jet recording material, wherein said ink-jet image contains a non-polymeric compound

according to formula (I) :



formula (I)

wherein,

R<sup>1</sup> is selected from the group consisting of -CR<sup>2</sup>R<sup>3</sup>R<sup>4</sup>, -OCR<sup>5</sup>R<sup>6</sup>R<sup>7</sup> and -NR<sup>8</sup>R<sup>9</sup>,

R<sup>2</sup>, R<sup>3</sup>, R<sup>5</sup>, and R<sup>6</sup> ~~and~~ R<sup>8</sup> are independently selected from the group consisting of

hydrogen, unsubstituted saturated or unsaturated aliphatic groups, saturated or

unsaturated aliphatic groups substituted with heteroatoms, a substituted or

unsubstituted aromatic or heteroaromatic ring, unsubstituted saturated or unsaturated

alicyclic groups and saturated or unsaturated alicyclic groups substituted with

heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring;

R<sup>8</sup> is selected from the group consisting of hydrogen, unsubstituted saturated or

unsaturated aliphatic groups, saturated or unsaturated aliphatic groups substituted with

heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring and

unsubstituted saturated or unsaturated alicyclic groups;

$R^4$ , and  $R^7$  ~~and~~  $R^9$  are independently selected from the group consisting of

unsubstituted saturated or unsaturated aliphatic groups, saturated or unsaturated

aliphatic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or

heteroaromatic ring, unsubstituted saturated or unsaturated alicyclic groups and

saturated or unsaturated alicyclic groups substituted with heteroatoms, a substituted or

unsubstituted aromatic or heteroaromatic ring;

$R^9$  is selected from the group consisting of unsubstituted saturated or unsaturated

aliphatic groups, saturated or unsaturated aliphatic groups substituted with

heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring and

unsubstituted saturated or unsaturated alicyclic groups;

$R^3$  and  $R^4$  may represent the necessary atoms to form a 5- to 8-membered ring,

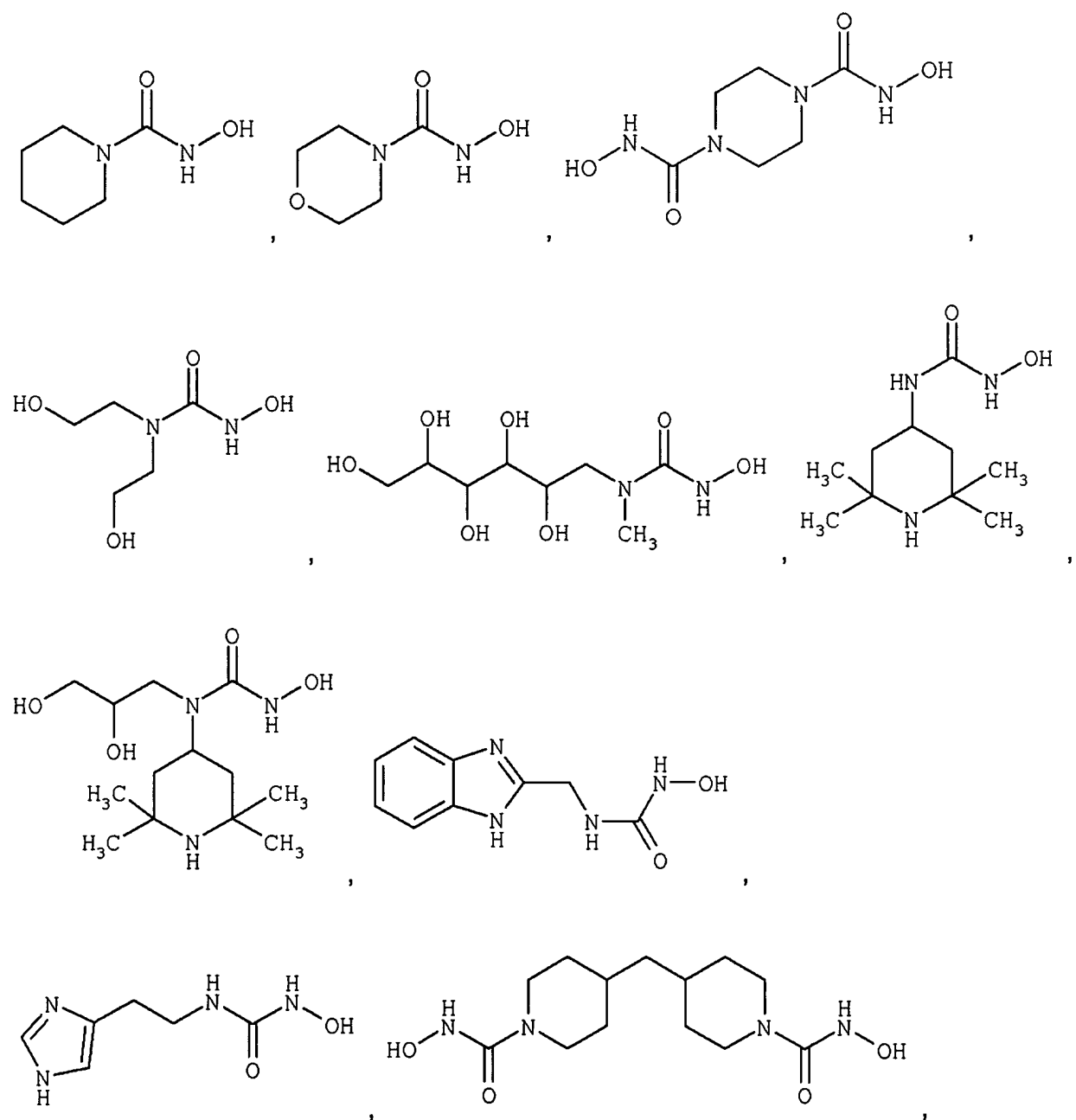
$R^5$  and  $R^7$  may represent the necessary atoms to form a 5- to 8-membered ring, and

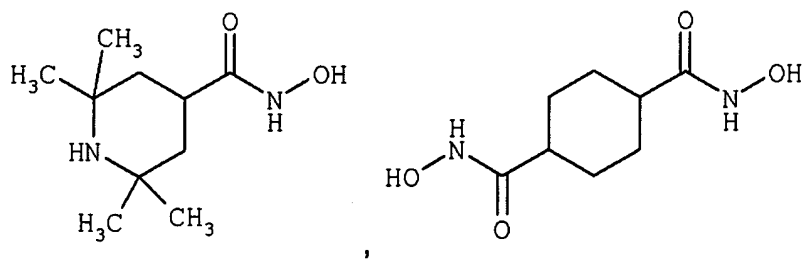
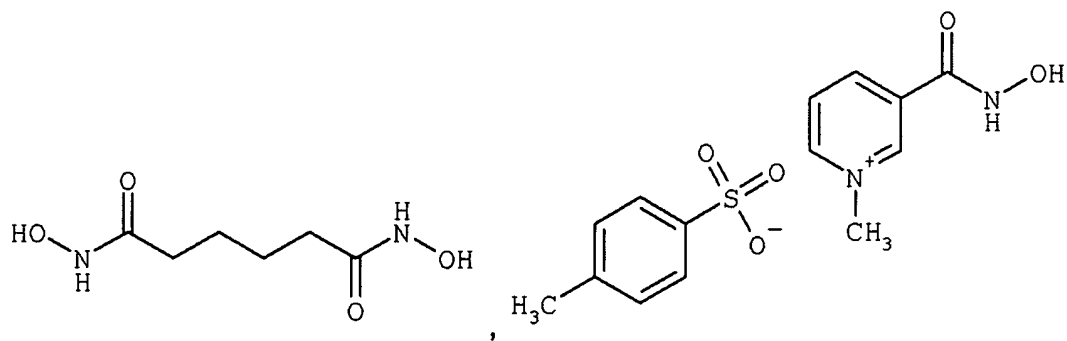
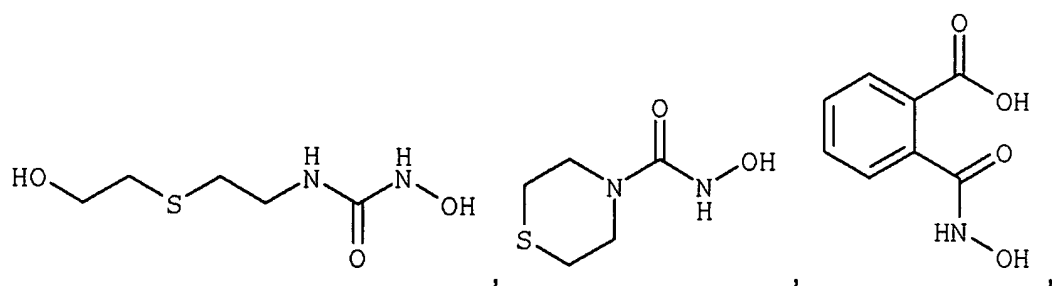
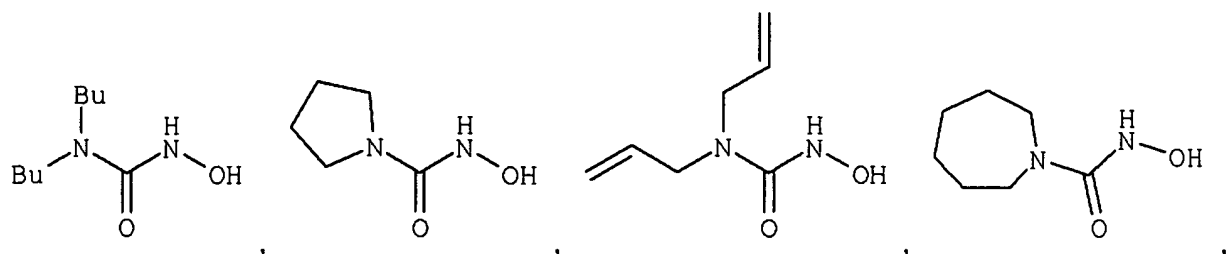
$R^8$  and  $R^9$  may represent the necessary atoms to form a 5- to 8-membered ring.

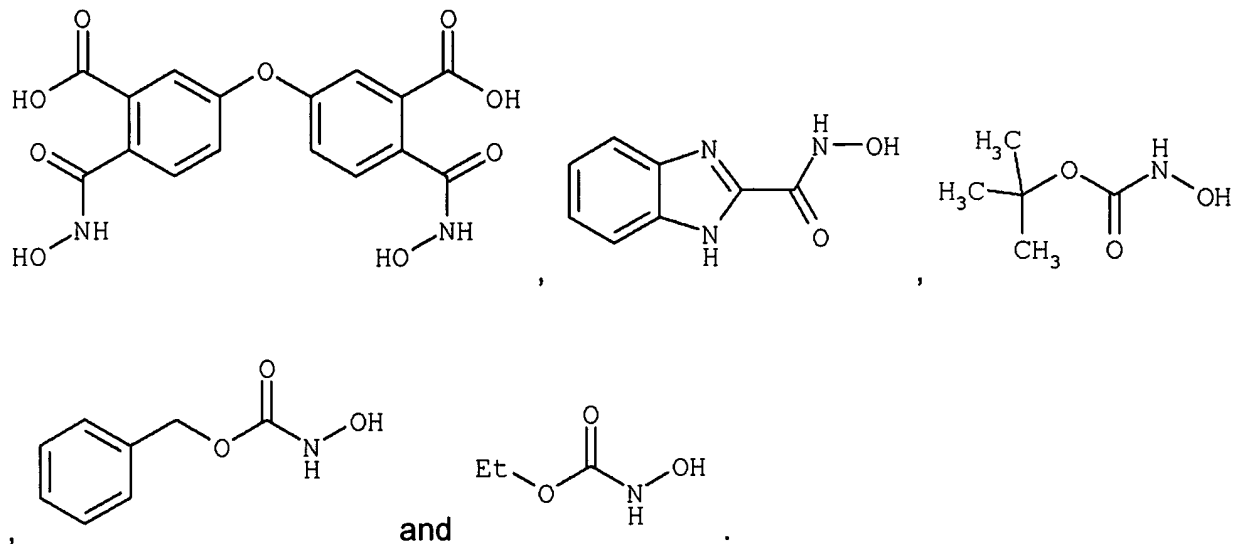


11.(original) Ink-jet image according to claim 10, wherein said non-polymeric

compound according to formula (I) is selected from the group consisting of

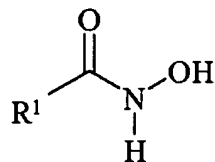






12.(original) A process for the use of a non-polymeric compound according to formula

(I) :



formula (I)

wherein,

$\text{R}^1$  is selected from the group consisting of  $-\text{CR}^2\text{R}^3\text{R}^4$ ,  $-\text{OCR}^5\text{R}^6\text{R}^7$  and  $-\text{NR}^8\text{R}^9$ ,

$\text{R}^2$ ,  $\text{R}^3$ ,  $\text{R}^5$ ,  $\text{R}^6$  and  $\text{R}^8$  are independently selected from the group consisting of

hydrogen, unsubstituted saturated or unsaturated aliphatic groups, saturated or unsaturated aliphatic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring, unsubstituted saturated or unsaturated alicyclic groups and saturated or unsaturated alicyclic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring;

R<sup>4</sup>, R<sup>7</sup> and R<sup>9</sup> are independently selected from the group consisting of unsubstituted saturated or unsaturated aliphatic groups, saturated or unsaturated aliphatic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring, unsubstituted saturated or unsaturated alicyclic groups and saturated or unsaturated alicyclic groups substituted with heteroatoms, a substituted or unsubstituted aromatic or heteroaromatic ring;

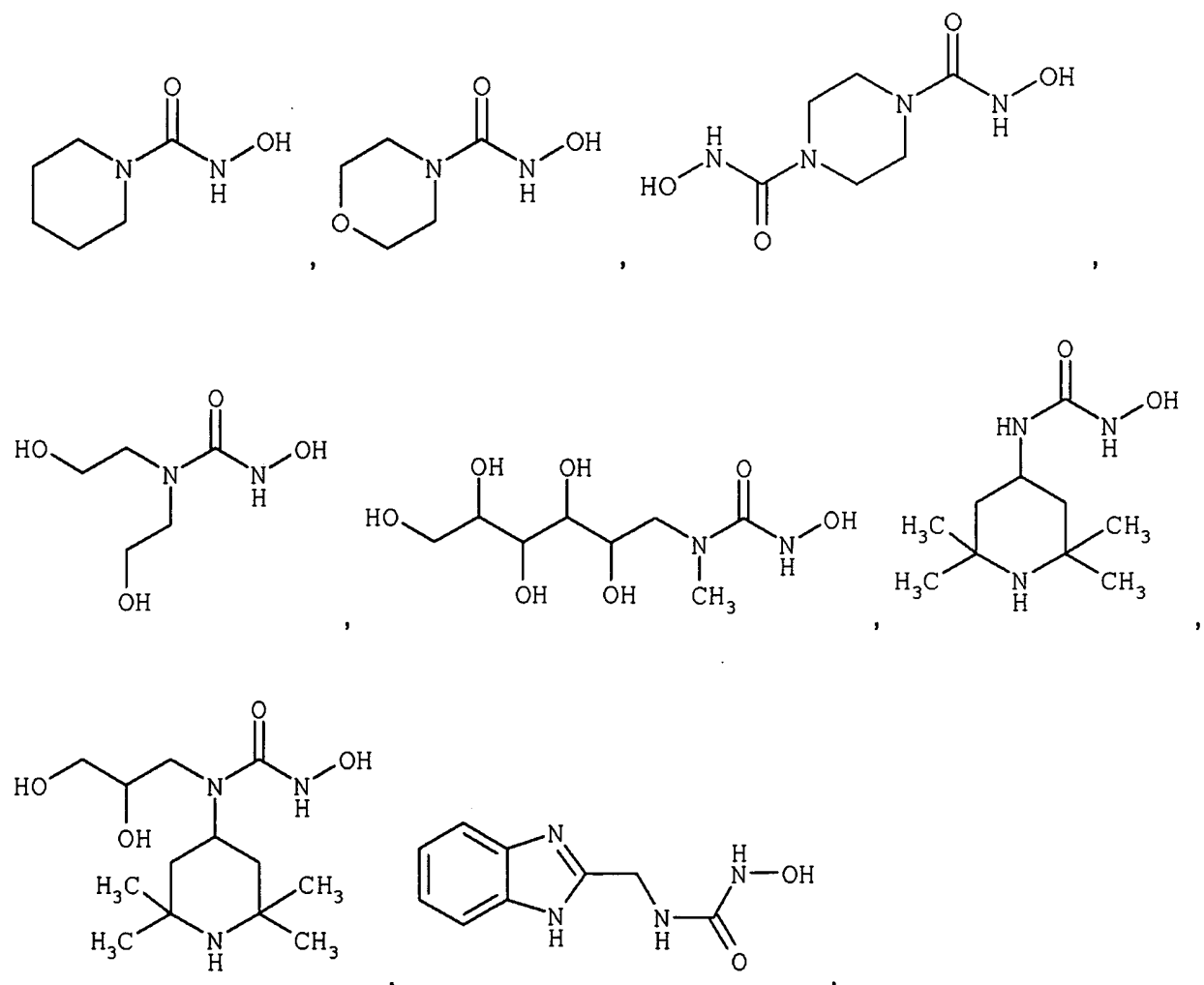
R<sup>3</sup> and R<sup>4</sup> may represent the necessary atoms to form a 5- to 8-membered ring,

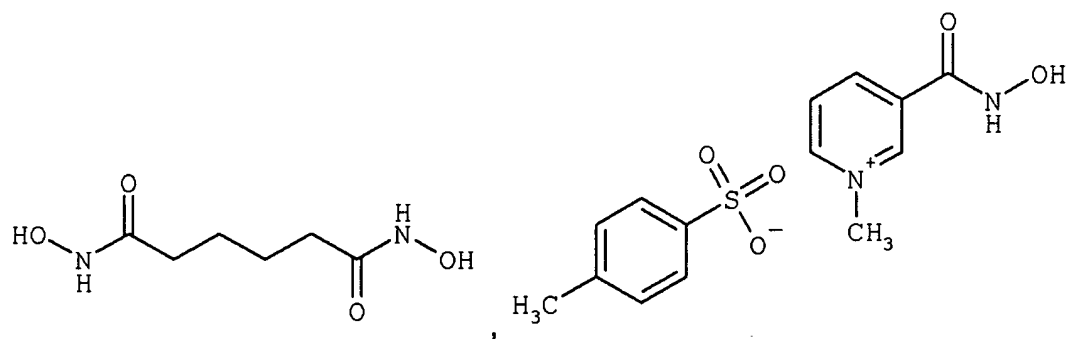
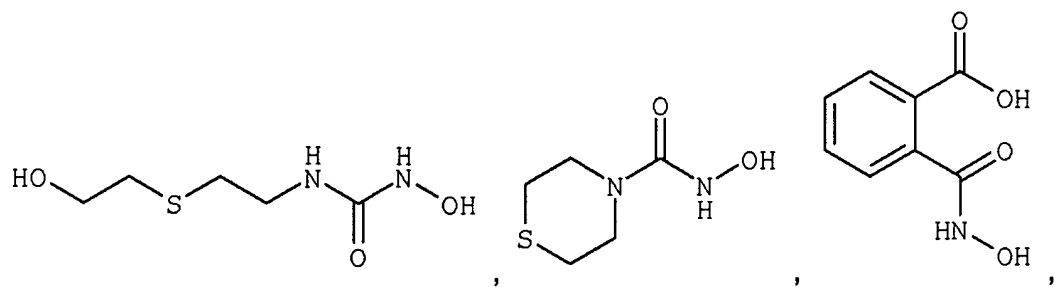
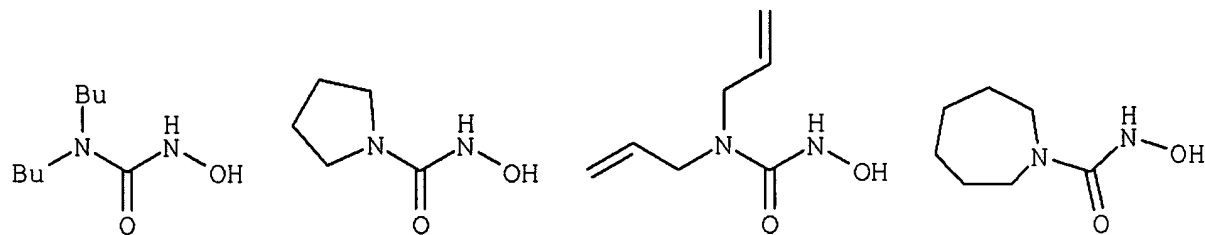
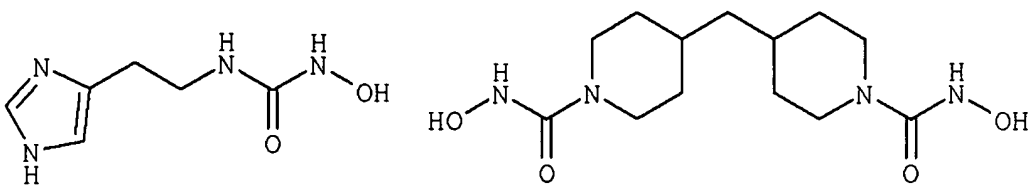
R<sup>5</sup> and R<sup>7</sup> may represent the necessary atoms to form a 5- to 8-membered ring, and

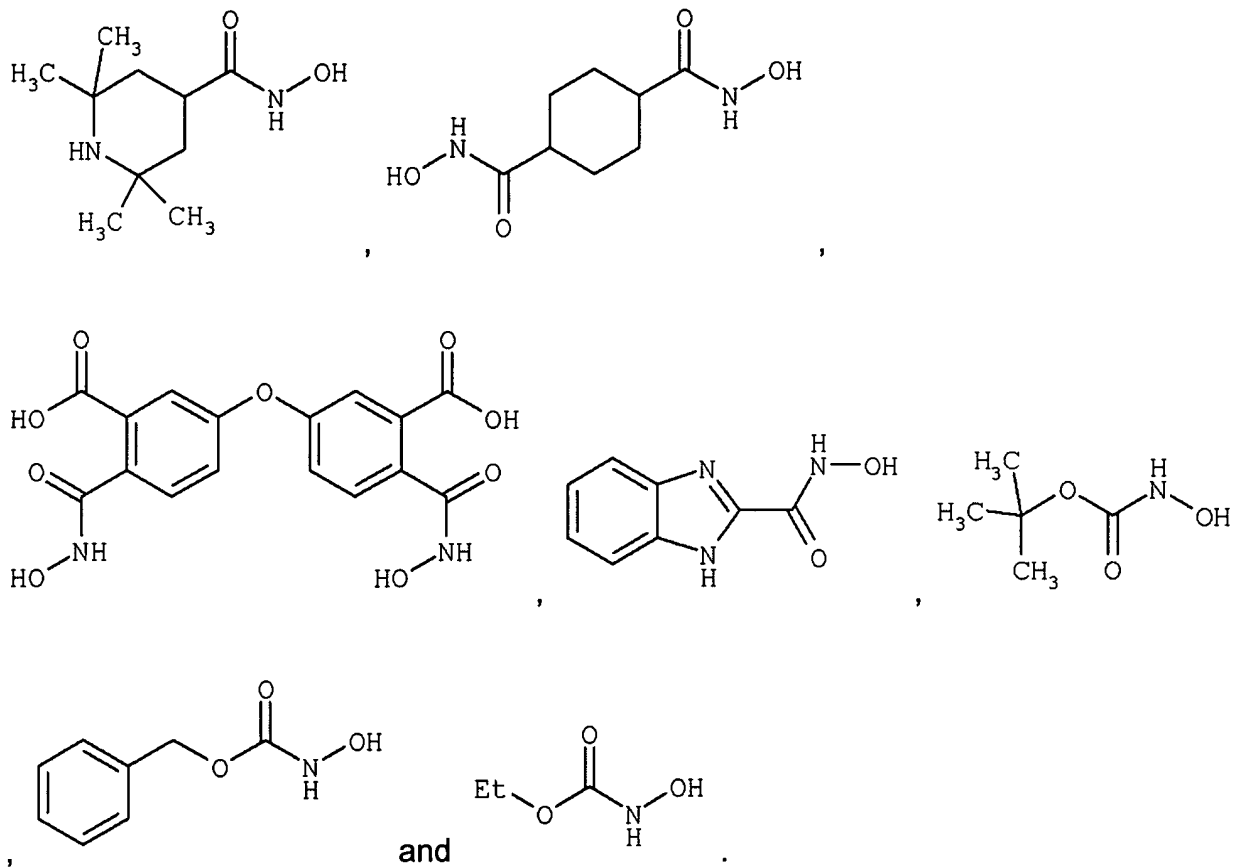
R<sup>8</sup> and R<sup>9</sup> may represent the necessary atoms to form a 5- to 8-membered ring;

comprising the step of including said non-polymeric compound in an ink-jet ink, an ink-jet recording material or a liquid for coating on an ink-jet image.

13.(original) Process according to claim 12, wherein said non-polymeric compound according to formula (I) is selected from the group consisting of







14. (cancelled)